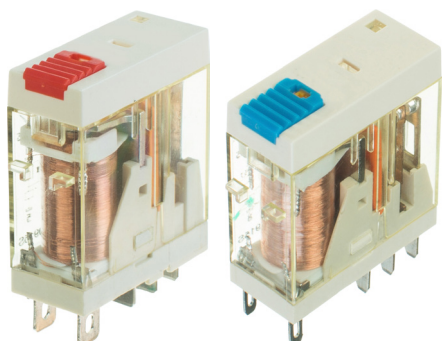


**RoHS
Compliant**



Features

- Slim and compact size
- 1 pole 12A; 2 pole 8A
- With non-polarity LED integrated in relay
- With lockable test button and inspection window
- Identification of coils through test button colour (AC red/DC blue)

Characteristics

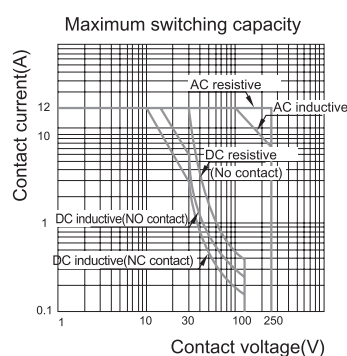
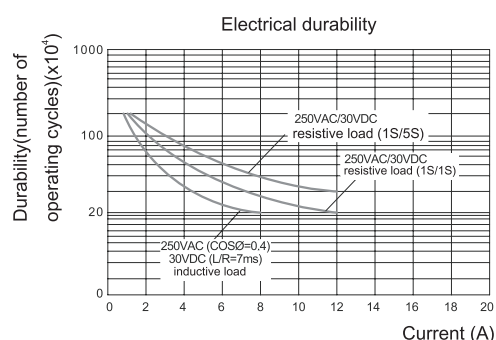
Contact	Configuration		1C	2C
	Load	Resistance	12A/250V AC, 30V DC	8A/250V AC, 30V DC
		Motor load	1/3HP, 240V AC	1/6HP, 240V AC
	Max. switching capacity (resistive)		3000VA, 360W	2000VA, 240W
	Min. switching capacity		170mW(17V/10mA)	
	Initial contact resistance		≥ 50mΩ	
	Material		Ag alloy	
	Electrical durability (high temp., frequency 1s on, 1s off)		≥20 × 10 ⁴ Cycles (1800 Ops / h)	
	Electrical durability (normal temp., frequency 1s on, 5s off)		≥30 × 10 ⁴ Cycles (600 Ops / h)	
	Mechanical durability		≥2000 × 10 ⁴ Cycles (18000 Ops/h)	
Pick-up voltage (23°C) (Rated voltage)			DC :≤75% , AC :≤80% 50/60Hz	
Drop-out voltage (23°C) (Rated voltage)			DC :≥10% , AC :≥30% 50/60Hz	
Drop-out voltage (23°C) (Rated voltage)			110%	
Insulation resistance			≥1000MΩ (500V DC)	
Coil operating power		DC (W)	approx. 0.53	
		AC (VA)	approx. 1 (60Hz)	
Operate time (at nominal voltage)			≤20ms	
Release time (at nominal voltage)			≤10ms	
Initial breakdown voltage	Between open contacts		1000V AC/1min (leakage current 1mA)	
	Between poles		3000V AC/1min (leakage current 1mA)	
	Between contacts and coil		5000V AC/1min (leakage current 1mA)	
Insulation characteristics IEC 60664 UL840	Rated voltage		250V AC	
	Pollution level		3	
	Over voltage level		III	
Impulse withstand voltage (waveform: 1.2/50μs)			4000V (Altitude 2000m)	

Specifications

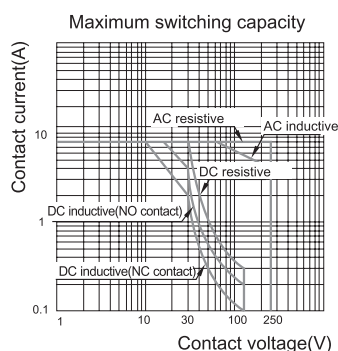
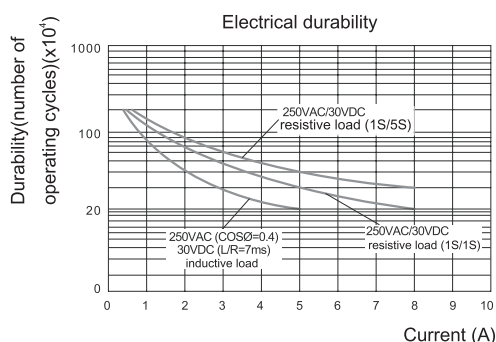
Protection level	: IP20
Relay Mounting	: Socket
Storage temperature / humidity	: -55°C to +85°C / 5% to 68%RH
Working temperature / humidity	: -40°C to +55°C / 5% to 85%RH (No condensation)
Air pressure	: 86 ~ 106KPa
Shock resistance	: 10G (half-sine shock pulse: 11ms)
Vibration resistance	: 10 ~ 55Hz double-amplitude: 1mm
Mounting	: Plug in
Unit weight	: Approx. 18g

Contact Specification

For Part Number MP005245, MP005246, MP005247, MP005248 & MP005249

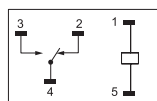
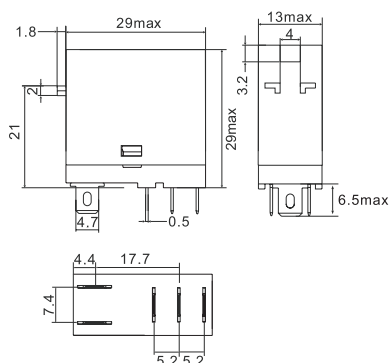


For Part Number MP005251, MP005252 & MP005254



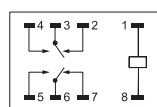
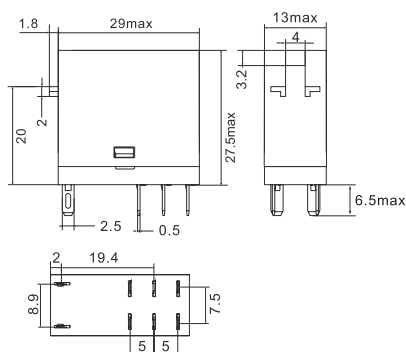
Diagram

For Part Number MP005245, MP005246, MP005247, MP005248 & MP005249



Wiring

For Part Number MP005251, MP005252 & MP005254



Wiring

Part Number Table

Description	Part Number
Power Relay, SPDT, 12V DC, 12A, Non Latching	MP005245
Power Relay, SPDT, 24V DC, 12A, Non Latching	MP005246
Power Relay, SPDT, 48V DC, 12A, Non Latching	MP005247
Power Relay, SPDT, 110V DC, 12A, Non Latching	MP005248
Power Relay, SPDT, 12V AC, 12A, Non Latching	MP005249
Power Relay, DPDT, 24V DC, 8A, Non Latching	MP005251
Power Relay, DPDT, 48V DC, 8A, Non Latching	MP005252
Power Relay, DPDT, 12V AC, 8A, Non Latching	MP005254

Dimensions : Millimetres

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